

**Goat Anti-BCL2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1146a****Specification**

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**Goat Anti-BCL2 Antibody - Product Information**

Application	WB, E
Primary Accession	<a href="#">P10415</a>
Other Accession	<a href="#">NP_000648</a> , <a href="#">596</a> , <a href="#">12043 (mouse)</a> , <a href="#">24224 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	26266

**Goat Anti-BCL2 Antibody - Additional Information****Gene ID** 596**Other Names**

Apoptosis regulator Bcl-2, BCL2

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-BCL2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-BCL2 Antibody - Protein Information****Name** BCL2**Function**

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:&lt;a href="http://www.uniprot.org/citations/1508712"&gt;

target="\_blank">1508712</a>, PubMed:<a href="http://www.uniprot.org/citations/8183370" target="\_blank">8183370</a>). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:<a href="http://www.uniprot.org/citations/11368354" target="\_blank">11368354</a>). Appears to function in a feedback loop system with caspases (PubMed:<a href="http://www.uniprot.org/citations/11368354" target="\_blank">11368354</a>). Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PubMed:<a href="http://www.uniprot.org/citations/11368354" target="\_blank">11368354</a>). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed:<a href="http://www.uniprot.org/citations/18570871" target="\_blank">18570871</a>, PubMed:<a href="http://www.uniprot.org/citations/20889974" target="\_blank">20889974</a>, PubMed:<a href="http://www.uniprot.org/citations/21358617" target="\_blank">21358617</a>). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release (PubMed:<a href="http://www.uniprot.org/citations/17418785" target="\_blank">17418785</a>).

#### **Cellular Location**

Mitochondrion outer membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}

#### **Tissue Location**

Expressed in a variety of tissues.

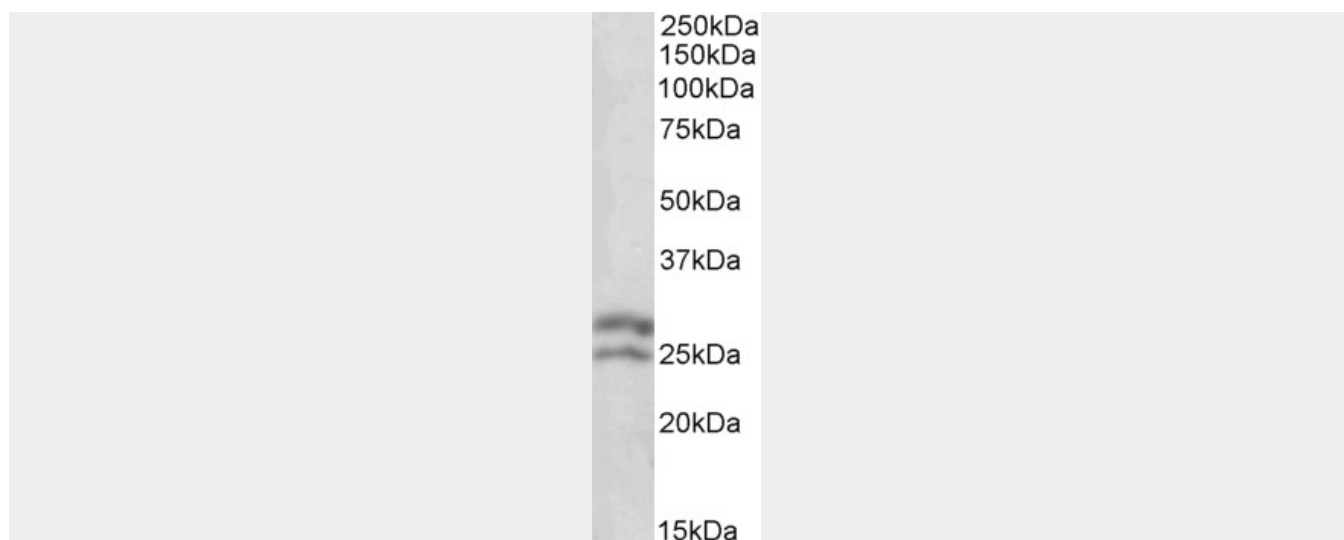
### **Goat Anti-BCL2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Goat Anti-BCL2 Antibody - Images**





AF1146a (0.1 µg/ml) staining of Human Lymph lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **Goat Anti-BCL2 Antibody - Background**

This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.

#### **Goat Anti-BCL2 Antibody - References**

Role of oxidative/nitrosative stress-mediated Bcl-2 regulation in apoptosis and malignant transformation. Azad N, et al. Ann N Y Acad Sci, 2010 Aug. PMID 20716276.  
The possible role of Bcl-2 expression of tumors of the uterine cervix. Protrka Z, et al. J BUON, 2010 Apr-Jun. PMID 20658730.  
A large-scale candidate gene approach identifies SNPs in SOD2 and IL13 as predictive markers of response to preoperative chemoradiation in rectal cancer. Ho-Pun-Cheung A, et al. Pharmacogenomics J, 2010 Jul 20. PMID 20644561.  
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